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TITLE: Gas-discharge lamp

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ABSTRACT:

CHG DATE=19990617 STATUS=O> The gas-discharge lamp has a bulb (1) in which a high-pressure gas-discharge burner (2) is accommodated in the longitudinal direction, which burner is fastened to current supply leads (6) fastened in a gas-tight manner in the base (7) of the bulb (1). At least half the entire inner surface of the bulb (1) is coated (covered) with a reflecting layer (8) in such a manner that a plane running through the edges (9) of the reflecting layer (8) is parallel to the longitudinal axis (10) of the high-pressure gas-discharge burner (2). The bulb (1) has a cross-section in which the distance between the axis (10) of the gas-discharge burner (2) and the surface of the reflecting layer (8) is constructed so as to continuously vary. The ratio of the minimum distance ( $r_{min}$ ) between the axis (10) of the gas-discharge burner (2) and the surface of the reflecting layer (8) to the corresponding maximum distance ( $r_{max}$ ) lies in the region of 0.6 to 1.0. <IMAGE>

